

Work Order ID 99943

April-16-13 12:37:24 PM

\*99943\*

Page 1

Item ID: 646.4001

Accept

Revision ID:

Item Name: AS350 Cable Cutter

Start Date: 4/16/13 Start Qty: 1.00 \*1\*

Required Date: 4/30/13 Req'd Qty: 1.00 \*1\*

Reference:

Approvals: Process Plan: MLJ

Date: 13-04-16 Tooling:

Date:

Run Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	A	0.00	<i>SPR</i>						
100 <b>*100*</b> DC	DOCUMENT CONTROL Memo <i>MLJ</i>	0.00	<i>SPR</i>						
Document Control	Photocopy bluefile & type labels per PPP 646.4001								
110 <b>*110*</b> Packaging Packaging	Pick Kit Memo	0.00							
120 <b>*120*</b> QC Quality Control	QC4- 100% Inspect kits for completeness Memo	0.00	<i>SPR</i>						

13/04/24 *SP*

*MLJ 13-06-19*

*SP*

*SPR*  
13/04/24

*SPR*

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
NCR No. _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<input type="checkbox"/> Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other							

Work Order ID 99943

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\*99943\*

Page 2

Item ID: 646.4001

Accept

\*N900040100\*

Setup

Start

\*NS1\*

Revision ID:

Item Name: AS350 Cable Cutter

Stop

\*NS2\*

Start Date: 4/16/13 Start Qty: 1.00 \*1\*

Cust Item ID:

Required Date: 4/30/13 Req'd Qty: 1.00 \*1\*

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 <b>*130*</b> Packaging	Packaging	0.00							1 13-6-24
Packaging	<b>Memo</b>	0.00							
	Identify and pack for shipping as per PPP 646.4001								
	Location: _____								
140 <b>*140*</b> QC	QC21- Final Inspection - Work Order Release	0.00							13/6/27 JJ
Quality Control	<b>Memo</b>	0.00							

W130626

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS								
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>						
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>						
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>						
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other			

# Picklist Print

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Page 1  
FF

Work Order ID: 99943

\*99943\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301		Manufactured	No				Each	25.0000	**				

\*646 3301\*

Upper Cutter Assembly

Shp

Location	Loc Qty	Loc Code
ST139A	7	
125083	7	
ST545	18	
93247	18	

646.3001

Manufactured No

Each 17.0000

SP M. 10. 13-06-20

\*646 3001\*

Lower Cutter Assembly

Shp

Location	Loc Qty	Loc Code
ST139A	9	
125083	9	
ST537	8	
93425	8	

646.2910

Manufactured No

Each 6.0000

SP M. 10. 13-06-20

\*646 2910\*

Deflector

Shp

Location	Loc Qty	Loc Code
ST139A	6	
125083	6	

SP M. 10. 13-06-20

B100102

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification	QC Inspector								
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge			<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled				

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

646.3810

\*646-3810\*  
Bracket

Shp

Manufactured No

Each 8.0000

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

\*\*

2 SP M.D. 13-06-20

646.3510

\*646-3510\*  
Strut

SP

Manufactured No

Each 3.0000

\*\*

1 SP M.D. 13-06-20

646.3511

\*646-3511\*  
Strut

SP

Manufactured No

Each 2.0000

\*\*

2 SP M.D. 13-06-20

646.3512

\*646-3512\*  
Strut

Shp

Manufactured No

Each 1.0000

\*\*

1 SP M.D. 13-06-20

646.3513

\*646-3513\*  
Strut

Shp

Manufactured No

Each 24.0000

\*\*

1 SP M.D. 13-06-20

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
				Bending <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>													
				Centre Not Concentric to O/S <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>													
				Cracks <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>													
				Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>													
				Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Part Moved <input type="checkbox"/>														
				Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>														
				Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>													
				Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>															
				Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>															
				Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>															
				Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>															

# Picklist Print

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

NAS1149F0332P

Purchased

No

\*NAS1149F0332P\*  
WASHER

SmP

MS21042L3

Purchased

No

\*MS21042L3\*  
Nut

SmP

Start Date: 4/16/13

Start Qty: 1.00

\*\*



Required Date: 4/30/13

Required Qty: 1.00

4/16/13-06-20

Location	Loc Qty
GA	182
122063	182
ST294	158
122063	158
ST295	3
123352	3
st510	8367
123900	8367

Loc Qty	Loc Code
182	
158	
158	
3	
3	
8367	
8367	

Each 8,710.000

\*\*

134X

63

126036

Location	Loc Qty
FP001	3
122141	3
GA	119
122452	119
ST314	268
117885	32
119017	55
119075	138
123265	43
ST506	4390
123900	974
124291	3416

Loc Qty	Loc Code
3	
3	
119	
119	
268	
32	
55	
138	
43	
4390	
974	
3416	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
NCR No. _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

# Picklist Print

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Page 4

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

646.3110

Manufactured No

Each 6.0000

Start Date: 4/16/13  
Start Qty: 1.00

Required Date: 4/30/13  
Required Qty: 1.00

\*646 3110\*

Channel

Shp



11.13-06-20

646.3710

\*646 3710\*

Doubler

Shp

Manufactured No

125083

Each 22.0000

\*\*



11.13.

646.3210

\*646 3210\*

Support

Shp

Manufactured No

97175

Each 5.0000

\*\*



11.13.

646.3713

\*646 3713\*

Gusset

Shp

Manufactured No

93488

Each 7.0000

\*\*



11.13.

Location

ST425

Loc Qty

22

Loc Code

97175

Location

ST538

Loc Qty

5

Loc Code

93488

Location

ST139A

Loc Qty

7

Loc Code

93208

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS							
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>						
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>						
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>						
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other			

# Picklist Print

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

MS24694-S51

Purchased No

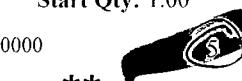
Start Date: 4/16/13  
Start Qty: 1.00

\*\*

\*MS24694-S51\*

Screw

Sh



Required Date: 4/30/13  
Required Qty: 1.00

4/16/13-06-20



AN3-13A

Purchased No

95.0000

\*\*

\*AN3-13A\*

Bolt

Sh



4/16-



AN3-4A

\*AN3-4A\*

Bolt

Sh

Purchased No

453.0000

\*\*



4/16-



<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST303	108	125654
116805	1	
123741	107	

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST351	45	
104746	15	
120910	30	IX
ST512	50	
123759	50	

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	318	125445
120308	80	
122814	38	
124858	200	
ST512	135	
120770	134	
123900	1	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
NCR No: _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled						

# Picklist Print

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Page 6

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

CR3213-5-3

Purchased No

Start Date: 4/16/13  
Start Qty: 1.00

~~\*CR3213-5-3\*~~  
Cherry-Rivet

Shp

Each 300.0000

\*\*

14

Required Date: 4/30/13  
Required Qty: 1.00

11.10.13-06-20

MS20470AD5-5.5

Purchased No

Loc Qty Loc Code

~~\*MS20470AD5-5.5\*~~  
Rivet

Shp

Location

ST329

300

300

Each 741.0000

\*\*

123425  
JHX  
8

646.3711

Manufactured No

Loc Qty Loc Code

~~\*646.3711\*~~  
Clip

Shp

Location

ST336

741

741

Each 2.0000

\*\*

141  
1

Mehl

11.10.13-06-20

646.3712

Manufactured No

Loc Qty Loc Code

~~\*646.3712\*~~  
Clip

Shp

Location

ST139B

2

2

Each 2.0000

\*\*

1

11.10.

11.10.13-06-20

Location

ST139B

2

2

Each 2.0000

\*\*

1

B102553

NCR: Yes / No

DQA: Date:

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	General			Grain	General			Ovalized	Pressure/Forced		
Centre Not Concentric to O/S	Bend	General			Hardware	General			Over/Under tolerance	Temperature/Cure	
Cracks	BOM/Route	General			Inspection Incomplete	General			Part Incorrect	Weld	
Crushed/Crimped.	Broken/Damaged	General			Instructions Incomplete/Unclear	General			Part Lost/Missing	Wrong Stock Pulled	
Cuffs	Burrs	General			Maintenance	General			Part Moved		
Heat Treat	Contamination	General			Mislabeled	General			Positioned Wrong		
Inspection Strip in Tube	Countersink	General			Misread	General			Power Loss/Surge		
Ripples in Bend	Cut Too Short	General			Offset	General					
Torque Waves in Extrusion	Drill Holes	General			Out of Calibration	General					
Turning Sequence	Drawing	General			Out of Sequence	General					
Wave/Twist in Tube	Finish	General			Outside Dimensions	General					
	Folio	General				General					

# Picklist Print

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Page 7

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

646.3811

Manufactured No

Each 29.0000

Start Date: 4/16/13  
Start Qty: 1.00

Required Date: 4/30/13  
Required Qty: 1.00

\*646 3811\*  
(Radius Block)

SH

AN3-6A

Purchased No

Loc Qty

Loc Code

\*AN3-6A\*  
Bolt

SH

MS24694-S55

Purchased No

Loc Qty

Loc Code

\*MS24694-S55\*  
Screw

SH

Location

ST139A  
125083  
93224

Each 438.0000

\*\*

Loc Qty

Loc Code

Location

ST350  
124296  
ST351  
117441  
121166  
122993  
123831  
ST512  
122814

Loc Qty

Loc Code

300  
300  
61  
34  
13  
10  
4  
77  
77

\*\*

Each 92.0000

Loc Qty

Loc Code

Location

ST303  
124296

92

\*\*

125535

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS						
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector	
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup												
Other												
Process												
Supplier												
Training												
Unapproved												
FAULT CATEGORY												
Landing Gear	General			General			General			General		
	Bending	Bend	Grain	Ovalized	Pressure/Forced							
	Centre Not Concentric to O/S	BOM/Route	Hardware	Over/Under tolerance	Temperature/Cure							
	Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect	Weld							
	Crushed/Crimped.	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing	Wrong Stock Pulled							
	Cuffs	Contamination	Maintenance	Part Moved								
	Heat Treat	Countersink	Mislabeled	Positioned Wrong								
	Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge	Other							
	Ripples in Bend	Drill Holes	Offset									
	Torque Waves in Extrusion	Drawing	Out of Calibration									
	Turning Sequence	Finish	Out of Sequence									
	Wave/Twist in Tube	Folio	Outside Dimensions									

# Picklist Print

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Page 8

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

646.3610

Manufactured No

Start Date: 4/16/13  
Start Qty: 1.00

Each 18.0000

\*\*

\*646 3610\*

Puller

SP

646.3714

Manufactured No

Location Loc Qty Loc Code

125083 7

125083 7

ST139A 11

93434 11

Each 2.0000

\*\*

\*646 3714\*

Gusset

SP

MS20470AD5-6

Purchased No

Location Loc Qty Loc Code

ST139A 2

93175 2

Each 1,756.000

\*\*

\*MS20470AD5-6\*

Rivet

SP

646.3812

Manufactured No

Location Loc Qty Loc Code

ST336 1756

105433 866

124089 890

Each 9.0000

\*\*

\*646 3812\*

Gusset Bracket

SP

Location Loc Qty Loc Code

ST139B 9

93185 9

Each 9.0000

\*\*

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear	General										
	Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>			Pressure/Forced <input type="checkbox"/>				
	Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>			Temperature/Cure <input type="checkbox"/>				
	Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>			Weld <input type="checkbox"/>				
	Crushed/Crimped. <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>			Wrong Stock Pulled <input type="checkbox"/>				
	Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>							
	Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>							
	Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>							
	Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>								
	Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>								
	Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>								
	Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>								

# Picklist Print

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

AN3-3A

\*AN3-3A\*

Bolt

Purchased No

Each 268.0000

\*\*

4

125709

4/16/13-06-20

SKP

646.3813

\*646 3813\*

Strut Bracket

Manufactured No

Location Loc Qty Loc Code

ST350  
123831  
124221  
124552

268  
7  
200  
61

Each 5.0000

\*\*

1

4/16.

SKP

MS20470AD5-7

\*MS20470AD5-7\*

Rivet

Purchased No

Location Loc Qty Loc Code

ST139d  
125083

5  
5

Each 2,194.000

\*\*

3

B99674

4/16.

SKP

MS21047-3

\*MS21047-3\*

NUT PLATE

Purchased No

Location Loc Qty Loc Code

Mezz  
2655  
3011

1384  
799  
585

ST336  
123425

810  
810

Each 445.0000

\*\*

3X  
18

5101340

4/16.

SKP

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear	General										
	Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>						
	Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>						
	Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>						
	Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>						
	Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>							
	Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>							
	Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>						
	Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>								
	Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>								
	Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>								
	Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>								

# Picklist Print

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

CCR264SS3-02

Purchased

No

Start Date: 4/16/13

Start Qty: 1.00

Each 740.0000

\*\*

Required Date: 4/30/13

Required Qty: 1.00

4/16 13-19-20

\*CCR264SS3-02\*

Rivet, Cherry

Shp

Location	Loc Qty	Loc Code
ST327	740	
106578	100	
123785	240	
124231	200	
124259	200	

AN3-5A

Purchased

No

Each 1,103.000

\*\*

4/16

\*AN3-5A\*

Bolt

Shp

Location	Loc Qty	Loc Code
FP001	86	
122800	86	
GA	120	
117423	120	
ST350	22	
120187	22	
ST512	875	
122416	75	
124561	800	

646.3715

Manufactured

No

Each 12.0000

\*\*

4/16

\*646 3715\*

Strut Doubler

Shp

Location	Loc Qty	Loc Code
ST139B	12	
93338	12	

B102163

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS						
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other					
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup												
Other												
Process												
Supplier												
Training												
Unapproved												
FAULT CATEGORY												
Landing Gear				General								
Bending		Bend		Grain			Ovalized		Pressure/Forced			
Centre Not Concentric to O/S		BOM/Route		Hardware			Over/Under tolerance		Temperature/Cure			
Cracks		Broken/Damaged		Inspection Incomplete			Part Incorrect		Weld			
Crushed/Crimped.		Burrs		Instructions Incomplete/Unclear			Part Lost/Missing		Wrong Stock Pulled			
Cuffs		Contamination		Maintenance			Part Moved					
Heat Treat		Countersink		Mislabeled			Positioned Wrong					
Inspection Strip in Tube		Cut Too Short		Misread			Power Loss/Surge		Other			
Ripples in Bend		Drill Holes		Offset								
Torque Waves in Extrusion		Drawing		Out of Calibration								
Turning Sequence		Finish		Out of Sequence								
Wave/Twist in Tube		Folio		Outside Dimensions								

# Picklist Print

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

MS27039-1-12

Purchased No

\*MS27039-1-12\*  
Screw

SP

Location

Mezz

100993

Each 169.0000

Start Date: 4/16/13

Start Qty: 1.00



Required Date: 4/30/13

Required Qty: 1.00

11.10.13-06-19 SP

646.3716

Manufactured No

\*646-3716\*  
Gauge.Bracket

SP

Location

125083

125083

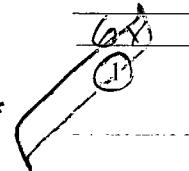
Loc Qty Loc Code

4

4

Each 813.0000

\*\*



1102552

11.10. SP

MS20426AD5-7

Purchased No

\*MS20426AD5-7\*

Rivet

SP

Location

ST334

101340

Loc Qty Loc Code

813

813

Each 76.0000

\*\*



11.10.

MS24694-S54

Purchased No

\*MS24694-S54\*

SP

Location

ST303

123900

124859

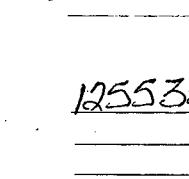
Loc Qty Loc Code

76

1

75

\*\*



125535

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
Part No. _____			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>								
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector			
Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/>															
FAULT CATEGORY															
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	

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Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

MS27039-1-21

Purchased No

\*MS27039-1-21\*  
SCREW

SHP

MS27039-1-20

Purchased No

\*MS27039-1-20\*  
Screw

SHP

MS27039-1-19

Purchased No

\*MS27039-1-19\*  
Screw

SHP

646.3717

\*646 3717\*  
Doubler

SH

Manufactured No

Location	Loc Qty	Loc Code	Start Date: 4/16/13	Required Date: 4/30/13
ST306	43			
115935	43			
ST506	300			
124326	300			
	Each	478.0000	Start Qty: 1.00	Required Qty: 1.00
			**	
Location	Loc Qty	Loc Code	Start Date: 4/16/13	Required Date: 4/30/13
st510	478			
124326	478			
	Each	848.0000	Start Qty: 1.00	Required Qty: 1.00
			**	
Location	Loc Qty	Loc Code	Start Date: 4/16/13	Required Date: 4/30/13
ST306	102			
122814	2			
123522	100			
ST506	746			
124326	746			
	Each	2.0000	Start Qty: 1.00	Required Qty: 1.00
			**	
Location	Loc Qty	Loc Code	Start Date: 4/16/13	Required Date: 4/30/13
ST139B	2			
125083	2			

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
				Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>												
				Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>												
				Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>												
				Crushed/Crimped <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>												
				Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>													
				Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>													
				Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>												
				Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>														
				Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>														
				Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>														
				Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>														

# Picklist Print

April-16-13 12:37:28 PM

Page 13

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

646.3718

Manufactured No

Each 45.0000

\*\*

\*646 3718\*

Custom Washer

Shp

Location	Loc Qty	Loc Code
ST139A	7	
125083	7	
ST522	38	
93365	38	

646.3719

Manufactured No

Each 24.0000

\*\*

\*646 3719\*

Doubler

Sh

Location	Loc Qty	Loc Code
ST139B	24	
125083	24	

MS27039-1-10

Purchased No

Each 321.0000

\*\*

\*MS27039-1-10\*

Screw

Sh

Location	Loc Qty	Loc Code
GA	100	
120449	100	
ST305	101	
122815	1	
124859	100	
ST308	18	
123522	18	
ST506	102	
124326	102	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
				Bending	Grain	Ovalized	Pressure/Forced				
				Centre Not Concentric to O/S	BOM/Route	Over/Under tolerance	Temperature/Cure				
				Cracks	Broken/Damaged	Part Incorrect	Weld				
				Crushed/Crimped	Burrs	Part Lost/Missing	Wrong Stock Pulled				
				Cuffs	Contamination	Part Moved					
				Heat Treat	Countersink	Positioned Wrong					
				Inspection Strip in Tube	Cut Too Short	Power Loss/Surge	Other				
				Ripples in Bend	Drill Holes						
				Torque Waves in Extrusion	Drawing						
				Turning Sequence	Finish						
				Wave/Twist in Tube	Folio						

# Picklist Print

April-16-13 12:37:28 PM

Page 14

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

AN3-11A

Purchased No

Each 672.0000

\*\*

\*AN3-11A\*

Bolt

JKP

Location	Loc Qty	Loc Code
ST351	72	
123525	72	
ST512	600	
115457	100	
123352	200	
123759	300	

600.0990

Purchased No

Each 9.0000

\*\*

\*600 0990\*

Magnabond 6398 Part A (One 4 oz can)

SN

Location	Loc Qty	Loc Code
ST	9	
125051	9	

600.0991

Purchased No

Each 9.0000

\*\*

\*600 0991\*

Magnabond 6398 Part B (One 4 oz can)

SN

Location	Loc Qty	Loc Code
ST	9	
125051	9	

600.1012

Purchased No

Each 9.0000

\*\*

\*600 1012\*

Sealant (One 6 oz Semikit)

SN

Location	Loc Qty	Loc Code
ST	9	
125051	9	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS								
				Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other						
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector					
Doc/Data														
Equip/Tooling														
Operator														
Material														
Setup														
Other														
Process														
Supplier														
Training														
Unapproved														
FAULT CATEGORY														
Landing Gear	Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Wave/Twist in Tube				General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing Finish Folio		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset Out of Calibration Out of Sequence Outside Dimensions			Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled		

# Picklist Print

April-16-13 12:37:29 PM

Page 15

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

600.0129

Purchased

No

f

128.0000

\*\*



M.H. 13-06-20

\*600 0129\*

VHB Tape (75935A651 mcmaster)

14.96<sup>10</sup>

600.1013

Shm

Purchased

No

Location

ST  
125031

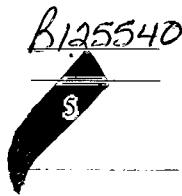
Loc Qty

128  
128

Loc Code

945.0000

\*\*



M.H.

\*600 1013\*

TapePrimer

5m

646.3910

Manufactured

No

Location

ST139A  
125154

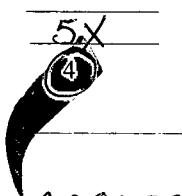
Loc Qty

945  
945

Loc Code

72.0000

\*\*



M.H.

\*646 3910\*

Shim

5m

646.3911

Manufactured

No

Location

ST139B  
125083  
ST139d  
93238

Loc Qty

22  
22  
50  
50

Loc Code

Each  
20.0000

\*\*



M.H.

\*646 3911\*

Shim

5m

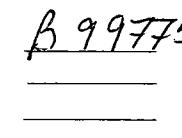
Location

ST139A  
125083  
ST139d  
93362

Loc Qty

1  
1  
19  
19

Loc Code



M.H.

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
Bending		Bend			Grain		Ovalized		Pressure/Forced		Temperature/Cure									
Centre Not Concentric to O/S		BOM/Route			Hardware		Over/Under tolerance		Weld		Wrong Stock Pulled									
Cracks		Broken/Damaged			Inspection Incomplete		Part Incorrect													
Crushed/Crimped		Burrs			Instructions Incomplete/Unclear		Part Lost/Missing													
Cuffs		Contamination			Maintenance		Part Moved													
Heat Treat		Countersink			Mislabeled		Positioned Wrong													
Inspection Strip in Tube		Cut Too Short			Misread		Power Loss/Surge		Other											
Ripples in Bend		Drill Holes			Offset															
Torque Waves in Extrusion		Drawing			Out of Calibration															
Turning Sequence		Finish			Out of Sequence															
Wave/Twist in Tube		Folio			Outside Dimensions															

# Picklist Print

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Page 16

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

646.3912

\*646 3912\*

Shim

Manufactured No

Each 73.0000

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

\*\*



M.H. 13-06-19

646.3913

\*646 3913\*

Shim

Manufactured No

Each 36.0000

\*\*



M.H.



AN3-12A

\*AN3-12A\*

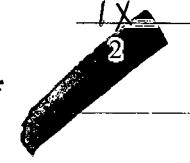
Bolt

SM

Purchased No

Each 59.0000

\*\*



M.H.



NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE



DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____ NCR No. _____			<input type="checkbox"/> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update	<input type="checkbox"/> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab	<input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite	<input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier	<input type="checkbox"/> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other			
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear	General									
	Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain	<input type="checkbox"/> Ovalized	<input type="checkbox"/> Pressure/Forced					
	Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware	<input type="checkbox"/> Over/Under tolerance	<input type="checkbox"/> Temperature/Cure					
	Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Part Incorrect	<input type="checkbox"/> Weld					
	Crushed/Crimped.	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Lost/Missing	<input type="checkbox"/> Wrong Stock Pulled					
	Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Part Moved						
	Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Positioned Wrong						
	Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread	<input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Other					
	Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset							
	Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration							
	Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence							
	Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions							

# Picklist Print

April-16-13 12:37:29 PM

Page 17

Work Order ID: 99943

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99943\*  
\*646 4001\*

MS27039-1-16

Purchased

No

\*MS27039-1-16\*  
Screw

*JK*

Location  
ST306  
122993

Loc Qty	Loc Code
70	<i>2</i>
70	<i>2X</i>

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

*4/16-13-06-19*

NCR: Yes / No

DQA: Date:

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending		Bend		Grain		Ovalized		Pressure/Forced			
Centre Not Concentric to O/S		BOM/Route		Hardware		Over/Under tolerance		Temperature/Cure			
Cracks		Broken/Damaged		Inspection Incomplete		Part Incorrect		Weld			
Crushed/Crimped		Burrs		Instructions Incomplete/Unclear		Part Lost/Missing		Wrong Stock Pulled			
Cuffs		Contamination		Maintenance		Part Moved					
Heat Treat		Countersink		Mislabeled		Positioned Wrong					
Inspection Strip in Tube		Cut Too Short		Misread		Power Loss/Surge					
Ripples in Bend		Drill Holes		Offset							
Torque Waves in Extrusion		Drawing		Out of Calibration							
Turning Sequence		Finish		Out of Sequence							
Wave/Twist in Tube		Folio		Outside Dimensions							

**APICAL**  
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO 03079

DWG NO. 646.4000

REV: A

PREPARED BY N.CAP

DATE: 03/21/11

SHEET 1 JF 1

EFFECT ON DWG

INC.  UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR: *P. Brano*

MFG

*David Bahnsen*

QC

*Thomas J. Farnan*

EFF:

NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

UNCONVENTIONAL  
SUBJECT: AS350 CABLE CUTTERS KIT  
WITHDRAWN  
WORK ORDER  
NO. 999.43.MC5

13-04-16

REF	REF	REF	65	647.5701	GPS MOUNT KIT	
6	6	64	601.3151	WASHER	NS249435P	
	63	601.2911	SCREW		NS249435S	
2	2	62	601.2637	SCREW	NS27039-1-16	
2	2	61	601.2763	BOLT	NS2-12A	
1	1	60	646.3913	SHIM		
4	4	59	646.3912	SHIM		
1	1	58	646.3911	SHIM		
4	4	57	646.3910	SHIM		
5	5	56	600.0103	PRIMER		
8 FT	8 FT	55	600.0129	VHB TAPE		
1	1	54	600.0102	SEALANT	PR-102 CLASS B	
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION
						NATL
						SPEC.

1	1	53	600.0991	WACOBONG 6398 PART B		
1	1	52	600.0990	WACOBONG 6398 PART A		
8	8	51	601.2826	BOLT		NS2-12A
2	2	50	646.3614	WIPER BRACKET		
2	2	49	601.2910	SCREW	NS27039-1-18	
2	2	48	601.3365	SCREW	NS27039-1-18	
2	2	47	646.3719	DOUBLER		
2	2	46	646.3718	CUSTOM WASHER		
1	1	45	646.3717	DOUBLER		
22	2	44	601.2948	SCREW	NS27039-1-19	
2	2	43	601.1952	SCREW	NS27039-1-20	
4	4	42	601.1956	SCREW	NS27039-1-21	
2	2	41	601.2829	SCREW	NS249435A	
2	2	40	601.2831	RIVET	NS249435B-7	
1	1	39	646.3716	GAUGE BRACKET		
6	6	38	601.1953	SCREW	NS27039-1-12	
2	2	37	646.3715	STRUT DOUBLER		
2	2	36	601.2824	BOLT	NS2-5A	
36	36	35	601.2277	RIVET	NS249435-3-22	
18	18	34	600.0795	NUTPLATE	NS24947-3	
3	3	33	601.2535	RIVET	NS249435B-7	
1	1	32	646.3813	STRUT BRACKET		
4	4	31	601.2822	BOLT	NS2-3A	
2	2	30	646.3912	GUSSET BRACKET		
8	8	29	601.2564	RIVET	NS249435C-6	
1	1	28	646.3714	GUSSET		
1	1	27	646.3610	FILLER		
1	1	26	601.2830	SCREW	NS249435B	
2	2	25	601.2825	BOLT	NS2-6A	
1	1	24	646.3811	RADIUS BLOCK		
1	1	23	646.3712	CLIP		
1	1	22	646.3711	CLIP		
8	8	21	601.2832	RIVET	NS249435-23	
14	14	20	601.2020	RIVET	NS249435-5-3	
10	10	19	601.2923	BOLT	NS2-4A	
1	1	18	601.2922	BOLT	NS2-12A	
5	5	17	601.2912	SCREW	NS249435L	
1	1	16	646.3713	GUSSET		
1	1	15	646.3210	SUPPORT		
1	1	14	646.3710	DOUBLER		
1	1	13	646.3110	CHANNEL		
8	55	16	63	12	LOCKNUT	NS249435L
10	116	16	134	11	601.1607	WASHER
			10	646.3411	RH WIPER DEFLECTOR	NS249435P
			9	646.3410	LH WIPER DEFLECTOR	
			8	646.3513	STRUT	
			7	646.3512	STRUT	
			6	646.3511	STRUT	
			5	646.3510	STRUT	
2	2	4	646.3810	BRACKET		
			3	646.2910	DEFLECTOR	
			2	646.3001	LOWER CUTTER ASSY	
			1	646.3301	UPPER CUTTER ASSY	
X	X		646.4004	FIXED PROVISIONS KIT		
X	X		646.4003	AS350 CABLE CUTTERS KIT		
X	X		646.4006	AS350 CABLE CUTTERS KIT		
X	X		646.4001	AS350 CABLE CUTTERS KIT		

DOCUMENTS EFFECTED:

MDL  INSTALL INSTRUC

ICA  BOM

CHANGE CATEGORY  
 MAJOR  MINOR

DER REVIEW REQUIRED  
 YES  NO

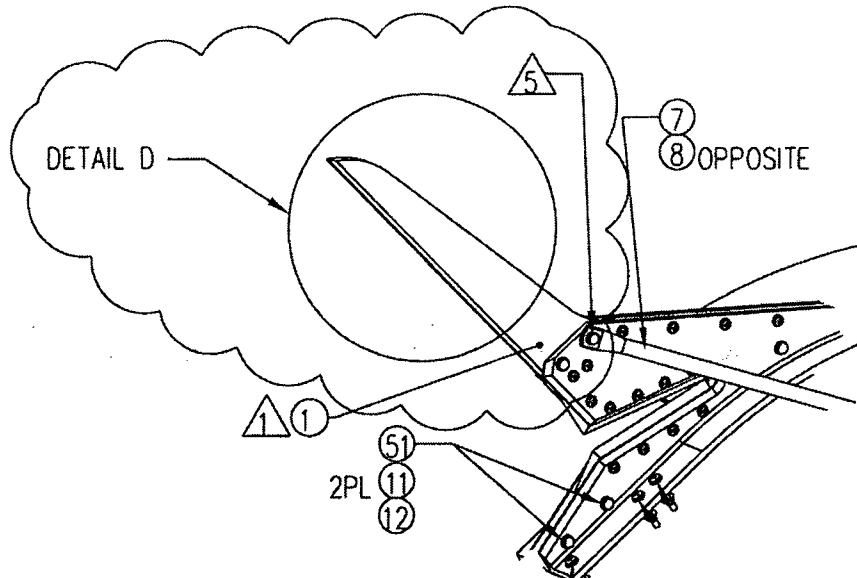
99943

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03046				SHEET 1 OF 1		
	DWG NO. 646.4000		REV: A	PREPARED BY . J. JACKSON	DATE: 01/24/11		EFFECT ON DWG <input type="checkbox"/> INC <input checked="" type="checkbox"/> UNINC.
	DWG TITLE: AS350 CABLE CUTTERS KIT						
	APPROVED BY:	ENGR <i>P. Brane</i>	MFG <i>Dave Parker</i>	QC <i>W. Jackson</i>			EFF: NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 65. REVISED DRAWING VIEWS. ADDED NOTE 7.					

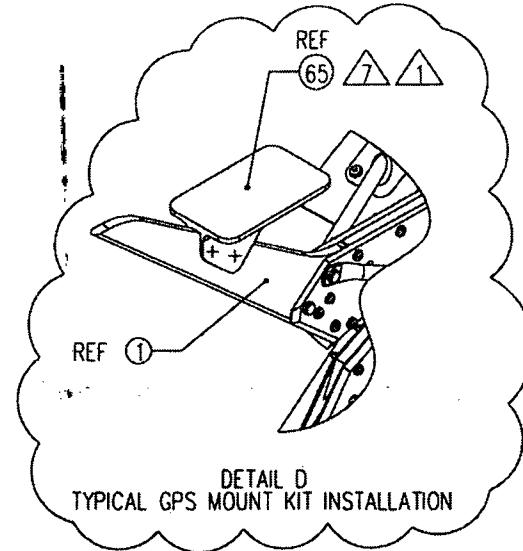
SHEET 1, ZONE B1 IS:

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A4 IS:



SHEET 2, ZONE B2 IS:

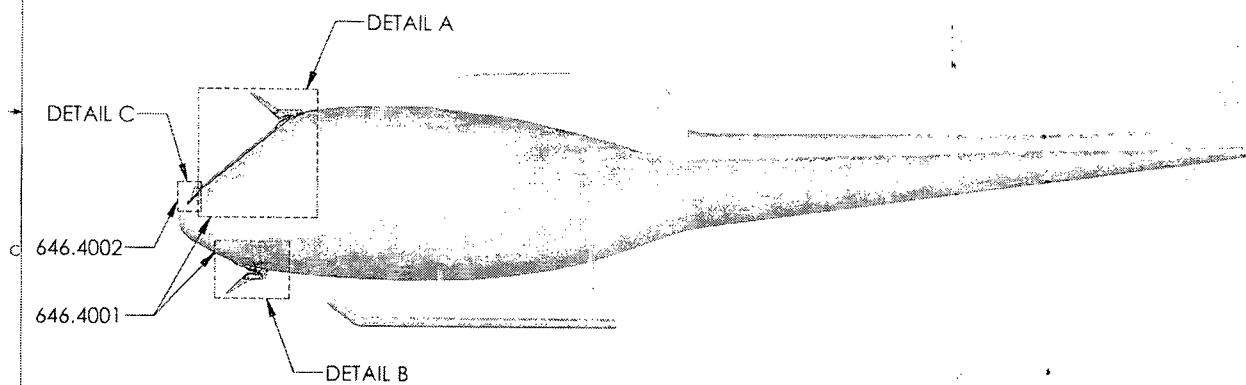


65	A	647.5701	REF	GPS MOUNT KIT		
F/N	TC	PART NUMBER	.4001	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:			QTY	<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	CHANGE CATEGORY	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

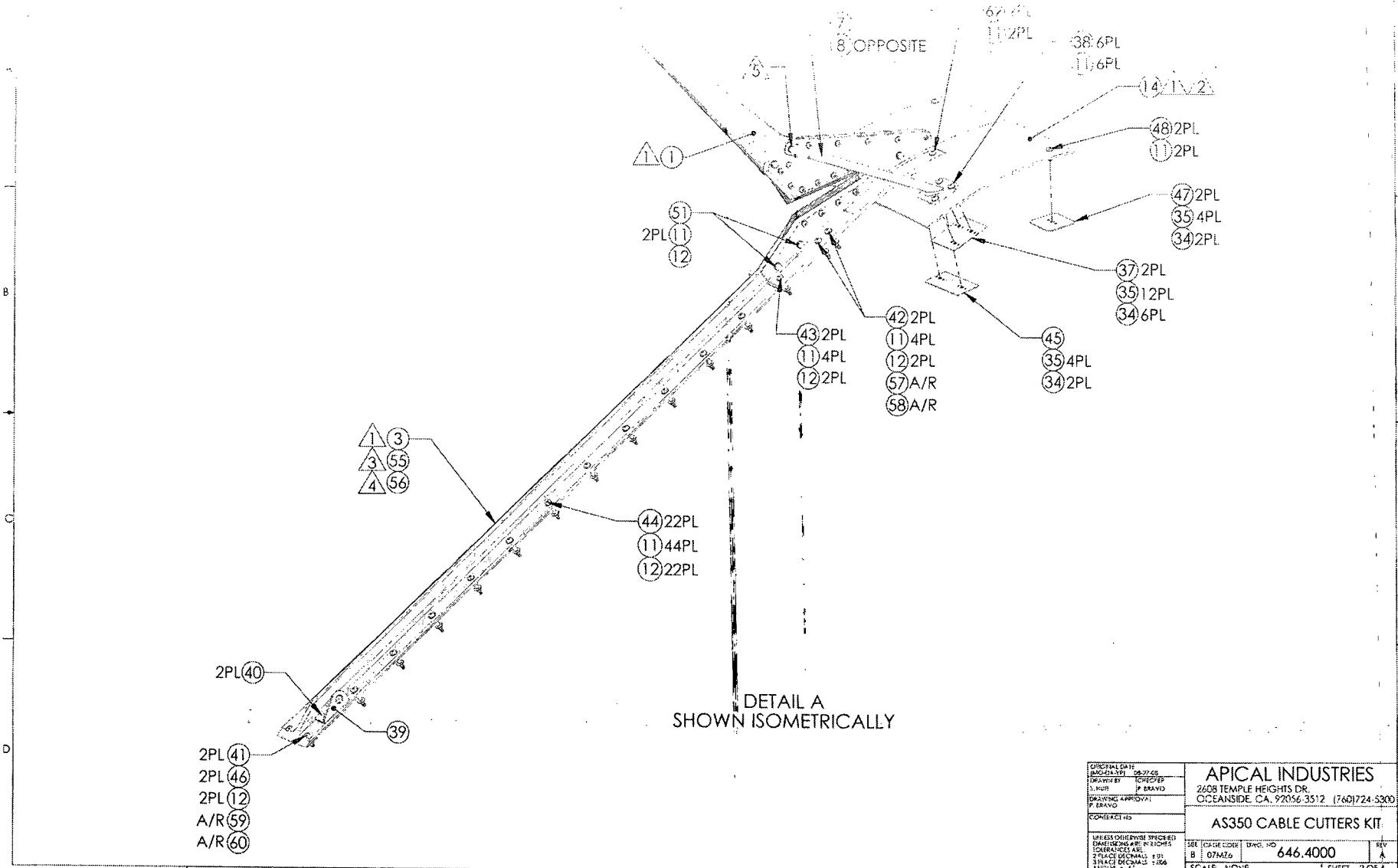
99943

2001 S.

- 1 AFTER INS. ATTACHMENT, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE  
VENDOR: MCMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE  
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT

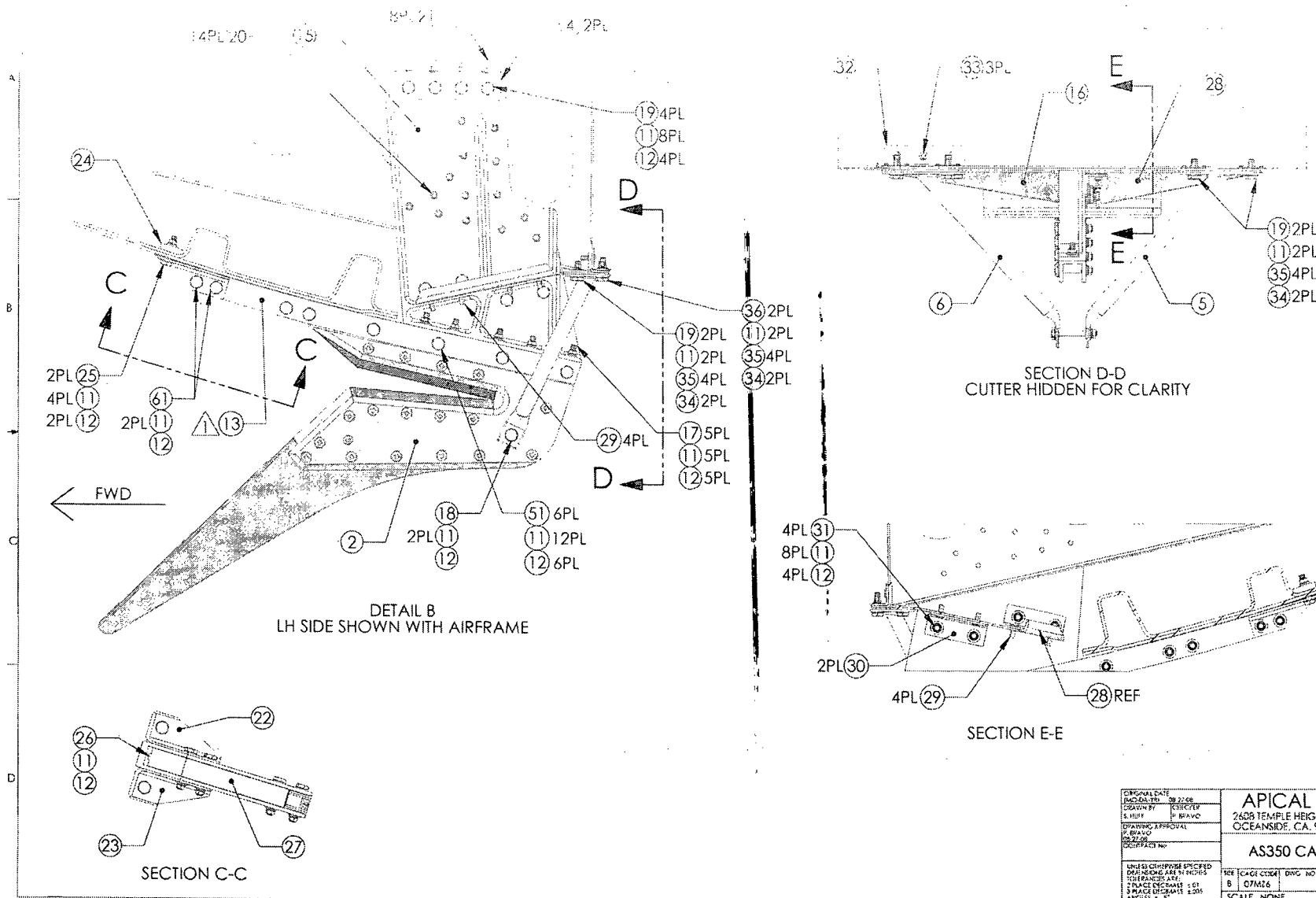


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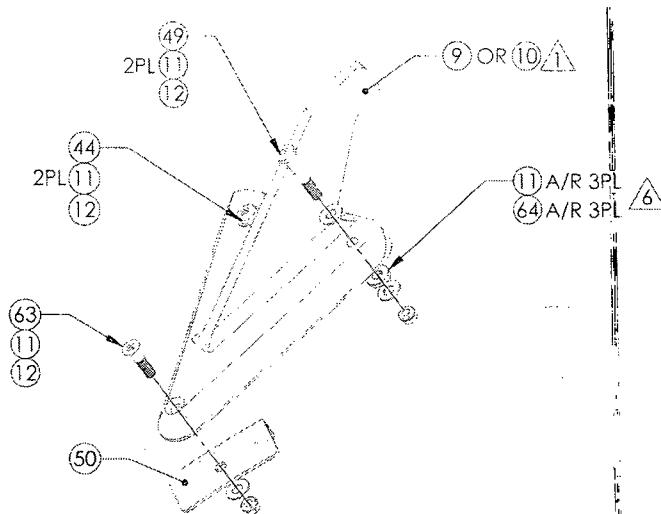
ORIGINAL DATE 2008-01-19	08-27-08	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760)724-5300
DRAWN BY J. H. BRAVO	RE-CHECKED J. H. BRAVO	
DRAWING APPROVED J. H. BRAVO		
COMPLACED		
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES SURFACES ARE SHARP DRAFTS ARE ARCS ARE 1/8"	REV. C 07/08	SCALE: NONE
646.4000	1 SHEET	2 OF 4

99943



ORIGINAL DATE 05/02/08	APICAL INDUSTRIES		
MODIFIED DATE 05/15/08	2639 TEMPLE HEIGHTS DR.		
BY J. KIRK C. KIRK	OCEANSIDE, CA. 92054-3512 (760)724-5300		
DRAWING APPROVAL BY D. BRAVO DRAFTS BY D. BRAVO		AS350 CABLE CUTTERS KIT	
DRAFTS APPROVED BY D. BRAVO DATE 05/15/08 TIME 10:00 AM 3 PAGE DRAWINGS 1 DRAWING		REV. E	PIN
UNLESS OTHERWISE SPECIFIED DRAWING AS OF 5/15/08		07/04/08	07/04/08
TOLERANCES NOTES SHEET NUMBER 3 PAGE DRAWINGS 1 DRAWING		664.4000	A
SCALE NOTES		1:1 3 C.F.E.	

99943



DETAIL C  
LH SHOWN EXPLODED  
RH OPPOSITE

DRAWN BY	CHIEF	REV.
DESIGNED BY	CHIEF	1
S.H.E.F.	1	1
DEAWING APPROVAL	1	1
P.E. APPROVAL	1	1
CONTRACT NO.		
APICAL INDUSTRIES		
2608 TEMPLE HEIGHTS DR.		
OCEANSIDE, CA. 92056-3512 (760)724-5300		
AS350 CABLE CUTTERS KIT		
DRAWING NUMBER		REV.
REF. NO.		1
REF. NO.	646.4000	1
SCALE	1:1	1
SHEET 1 OF 4		

**APICAL**  
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03079

SHEET 1 OF 1

DWG NO. 646.4000

REV: A

PREPARED BY: N.CAP

DATE: 03/21/11

EFFECT ON DWG  
 INC.  UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

*P. Brano*

MFG

*David P. Brano*

QC

*Deborah J. Sosa*

EFF: NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

REFERENCE ONLY

*SJP*

REF	REF	REF	65	647.5701	GPS MOUNT KIT	
6	64	6013151	64	WASHER	NS2479435P	
7	63	6012911	63	SCREW	NS24694333	
2	2	6012637	62	SCREW	NS27699-1-36	
2	2	6012763	61	BOLT	NS3-12A	
1	1	6463913	59	SHIM		
4	14	6463912	59	SHIM		
1	1	6463911	59	SHIM		
4	4	6463910	57	SHIM		
5	5	6001013	56	PRIMER		
8 FT	8 FT	6000129	55	VHB TAPE		
1	1	6001012	54	SEALANT	NS-1423 CLASS B	
AM1	AM2	AM3		PART #	DESCRIPTION	MATL. SPEC.

1	53	6000931	MANUFACTURE 6398 PART B				
9	1	52	6000930	MANUFACTURE 6398 PART A			
9	8	51	6012826	BOLT			
2	50	6463814	VIPER BRACKET				
12	49	602910	SCREW	NS27699-1-10			
2	48	6011965	SCREW	NS27699-1-10			
2	47	6463719	DOUBLER				
2	46	6463718	CUSTOM WASHER				
1	45	6463717	DOUBLER				
22	22	44	601948	SCREW	NS27699-1-19		
2	2	43	601952	SCREW	NS27699-1-20		
4	4	42	601953	SCREW	NS27699-1-21		
2	2	41	6012829	SCREW	NS24694334		
2	2	40	6012831	RIVET	NS24794347-7		
1	1	39	6463716	GAUGE BRACKET			
6	6	38	601953	SCREW	NS27699-1-12		
2	2	37	6463715	STRUT DOUBLER			
2	2	36	6012824	BOLT	NS3-2A		
36	35	6012277	RIVET	NS2469432-4-40			
18	18	34	6000795	NUTPLATE	NS284774-3		
3	3	33	6012565	RIVET	NS24794347-7		
1	1	32	6463813	STRUT BRACKET			
4	14	31	6012822	BOLT	NS3-3A		
2	2	30	6463812	GUSSET BRACKET			
8	8	29	6012564	RIVET	NS24794347-6		
1	1	28	6463714	GUSSET			
1	1	27	6463610	FILLER			
1	1	26	6012830	SCREW	NS24694333		
2	2	25	6012825	BOLT	NS3-6A		
1	1	24	6463811	RADIUS BLOCK			
1	1	23	6463712	CLIP			
1	1	22	6463711	CLIP			
8	8	21	6012832	RIVET	NS24794347-3		
14	14	20	6012020	RIVET	NS2469432-3-3		
10	10	19	6012823	BOLT	NS3-4A		
10	10	18	6012827	BOLT	NS3-3A		
5	5	17	6012512	SCREW	NS24694338		
1	1	16	6463713	GUSSET			
1	1	15	6463210	SUPPORT			
1	1	14	6463710	DOUBLER			
1	1	13	6463100	CHANNEL			
8	55	6	63	12	6011624	LOCKNUT	NS200483-3
18	116	16	114	11	6011607	WASHER	NS2479433P
10	6463411						
9	6463410						
6	6463513						
7	6463512						
6	6463511						
5	6463510						
2	6463510						
2	6463810						
3	6463910						
2	6463001						
2	6463301						
X	6464004						
X	6464003						
X	6464008						
X	6464009						
X	6464001						
AM1	AM2	AM3	FIND #	PART #	DESCRIPTION	MATL.	SPEC.

DOCUMENTS EFFECTED:

MDL  INSTALL INSTRUC  ICA  BOM

CHANGE CATEGORY  
 MAJOR  MINOR

DER REVIEW REQUIRED  
 YES  NO